

ABSTRACT

Embodiments relate to an air conditioning system, in particular cases a motor vehicle air-conditioning system comprising, for example, a coolant circuit provided with a coolant compressor and a gas cooler, an internal heat exchanger, an expansion unit and an evaporator, wherein a device for turning back the coolant flow direction is provided for the heat pump operation and a device for switching off the internal heat exchanger when the flow direction is reversed is also provided.